

20021016.qrp v02_n711.qrl.20021016

Date: Wed, 16 Oct 2002 19:03:13 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2711

QRP-L Digest 2711

Topics covered in this issue include:

- 1) [138101] Re: Looking for a SIMPLE TR circuit
by "John P. Cummins, Sr." <jpcummins@charter.net>
- 2) [138102] Re: Looking for a SIMPLE TR circuit
by Ed Tanton <n4xy@earthlink.net>
- 3) [138103] Re: TICK Keyers ?
by Rick McKee <kc8aon@juno.com>
- 4) [138104] I will be looking!
by "Dave Richards" <wr3i@earthlink.net>
- 5) [138105] SMPS QRP
by "Tracy Markham" <tracy@bytemark.com>
- 6) [138106] Re: Looking for a SIMPLE TR circuit
by David Hinerman <WD8CIV@worldnet.att.net>
- 7) [138107] Re: Wal Mart WWVB CLOCKS
by "Marty N5NW" <n5nw@n5nw.org>
- 8) [138108] WTB: 80 meter rig
by "John J. McDonough" <wb8rcr@arrl.net>
- 9) [138109] Re: Miracle Whip
by "Marty N5NW" <n5nw@n5nw.org>
- 10) [138110] Portable Power
by Mercxx@aol.com
- 11) [138111] Fw: Space-Weather-Outlook
by "W2WU" <w2wurjj@verizon.net>
- 12) [138112] New "TWIST" on a Half Wave End Fed !
by Rick McKee <kc8aon@juno.com>
- 13) [138113] Re: Rock Mite 40
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
- 14) [138114] UTC/ZULU/LOCAL TIMES
by "W2WU" <w2wurjj@verizon.net>
- 15) [138115] Re: Portable Power
by Timothy-Allen Albertson-KG6IRH <kg6irh@pacbell.net>
- 16) [138116] OT
by <mgoins@usa.net>
- 17) [138117] Wanted: EICO 722 VFO
by "Alan Fryer" <N3BJ@hotmail.com>
- 18) [138118] Help for Pacificon Talk
by "James R. Duffey" <jamesd1@flash.net>
- 19) [138119] Re: Rock Mite 40

by "Brian" <brian@iquest.net>

20) [138120] RE: UTC/ZULU/LOCAL TIMES
by "Emmerson Bigguns" <n8ie@woh.rr.com>

21) [138121] FS: FT-690RII 6m allmode portable low power xcvr
by Ron Majewski <ron.majewski@veridian.com>

22) [138122] eham???

by Ed Tanton <n4xy@earthlink.net>

23) [138123] Re: UTC/ZULU/LOCAL TIMES
by "Lee Mairs" <lmairs@direcway.com>

24) [138124] Re: OT
by "James R. Duffey" <jamesd1@flash.net>

25) [138125] Keyer Chips
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>

26) [138126] Re: Rock Mite 40
by Larry - WA2DGD <wa2dgd@comcast.net>

27) [138127] Re: Portable Power (Long response)
by John Zaruba Jr <jzaruba@mac.com>

28) [138128] Rock-Mite keyer in a SW-30+
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>

29) [138129] SC needed for mw WAS!!!!!!
by "George Osier" <gosier@twcny.rr.com>

30) [138130] Re: Wal Mart WWVB CLOCKS
by "Peter A. Bonucci" <pbonucci@slonet.org>

31) [138131] RE: Help for Pacificon Talk
by "Dave Fifield" <dave@redhotradio.com>

32) [138132] CQ B00!
by "J. Medley" <jmedley@ix.netcom.com>

33) [138133] How to use the Rock-Mite keyer chip in another rig
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>

34) [138134] Re: eham???

by "Rod N0RC" <rod@n0rc.us>

35) [138135] NETXQRP Club Meeting, Saturday 19 October
by Chuck Carpenter <w5usj@9plus.net>

36) [138136] Re: New "TWIST" on a Half Wave End Fed !
by Bruce Muscolino <w6toy@erols.com>

37) [138137] Portable Power Question
by Mercxx@aol.com

38) [138138] Re: Portable Power
by "Karl F. Larsen" <k5di@zianet.com>

39) [138139] Re: New "TWIST" on a Half Wave End Fed !
by "Joe Roof" <jroof@mindspring.com>

40) [138140] Re: CQ B00!
by "w5tb" <w5tb@arrl.net>

41) [138141] Re: New "TWIST" on a Half Wave End Fed !
by "Joe Roof" <jroof@mindspring.com>

42) [138142] Re: UTC/ZULU/LOCAL TIMES
by David Hinerman <WD8CIV@worldnet.att.net>

43) [138143] NEED: KG6CYN DDS Boards

by "Mark S. Adams, P.E." <msadams@acsu.buffalo.edu>
44) [138144] Re: CQ B00!
by David Hinerman <WD8CIV@worldnet.att.net>
45) [138145] [WTB] 7030 Crystal Pair for R-M/40
by Chuck Carpenter <w5usj@9plus.net>
46) [138146] Using PDA Serial Sender
by JLeroy@automationdirect.com
47) [138147] Re: 3/16-750lb dacron
by Bruce Grubbs <mail@brucegrubbs.com>
48) [138148] Rock-Mite 20 - The Agony and the Ecstasy (longish)
by Lloyd Lachow <llachow@yahoo.com>
49) [138149] Re: UTC/ZULU/LOCAL TIMES
by Hank Kohl <k8dd@arrl.net>
50) [138150] Re: Rock-Mite 20 - The Agony and the Ecstasy (longish)
by "brian" <brian@iquest.net>
51) [138151] Re: Buried Coax
by George Gingell <k3tks@u1.abs.net>
52) [138152] Last call for QRP-Afield scores
by Chuck Ludinsky <cjl@mitre.org>
53) [138153] Fists of Fury Vs RM20
by "Mullin, Edward J." <mulline@tycoelectronics.com>
54) [138154] RE: Rock-Mite 20 - The Agony and the Ecstasy (longish)
by "Mullin, Edward J." <mulline@tycoelectronics.com>
55) [138155] Battery Chargers
by "Karl F. Larsen" <k5di@zianet.com>
56) [138156] Re: Buried Coax
by Chris Cartwright <ccart@phideaux.com>
57) [138157] Re: UTC/ZULU/LOCAL TIMES
by Bob Nielsen <nielsen@oz.net>
58) [138158] Re: Buried Coax
by "JB Crafts" <jbcraft@adelphia.net>
59) [138159] fishing for opinions
by David Hinerman <WD8CIV@worldnet.att.net>
60) [138160] RE: Rock-Mite 20 - The Agony and the Ecstasy (longish)
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
61) [138161] Re: NEED: KG6CYN DDS Boards
by "Trevor Jacobs" <kg6cyn@earthlink.net>
62) [138162] RE: fishing for opinions
by Karl Kanalz <kkanalz@gcecisp.com>
63) [138163] website menus
by Ed Tanton <n4xy@earthlink.net>
64) [138164] Tuesday nights NEQRP SSB Net results
by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
65) [138165] Fw:OT-NASA One Night, Two Spaceships
by "W2WU" <w2wurjj@verizon.net>
66) [138166] Flame this? (very long, OT)
by "Tracy Markham" <tracy@bytemark.com>
67) [138167] Re: Flame this? (very long, OT)

by "Richard Johnson" <richard_johnson@credence.com>
68) [138168] 70cm question & similar intrusions
by Nils R Young <nilsbull@juno.com>
69) [138169] Ten Tec Orion info pages from the designer, block diagrams, and Hi
Fi SSB
by "Stuart Rohre" <rohre@arlut.utexas.edu>
70) [138170] Re: 70cm question & similar intrusions
by Timothy-Allen Albertson-KG6IRH <kg6irh@pacbell.net>
71) [138171] Oops touch typing
by "Stuart Rohre" <rohre@arlut.utexas.edu>
72) [138172] Re: 70cm question & similar intrusions
by "" <markb@abq.com>
73) [138173] squeal on Rockmite
by "Stuart Rohre" <rohre@arlut.utexas.edu>
74) [138174] Digikey success
by "Karl F. Larsen" <k5di@zianet.com>
75) [138175] Re: fishing for opinions
by "Ben Pfeiffer" <bpfeiffer@tusco.net>
76) [138176] Re: Flame this? (very long, OT)
by "Dan Hogan" <dhhogan1@earthlink.net>

Date: Tue, 15 Oct 2002 17:59:59 -0400
From: "John P. Cummins, Sr." <jpcummins@charter.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [138101] Re: Looking for a SIMPLE TR circuit
Message-ID: <3DAC8FDF.7090604@charter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

You might want to take a look at the NoGa Guppy T/R switch...!!

<http://www.nogaqrp.org>

Pickett, AD4S

Mullin, Edward J. wrote:

> Hi all,
>
> I have been looking through The QRP Notebook by W1FB I found a simple power
> amp that uses two transistors that I would like to build it for those days
> when I need the whole 5 watts. There is no schem for just a straight TR
> circuit so I need a simple TR circuit to build with it so it'll switch by
> itself.
>

> 73
>
> KB1HYS
>
>
>>Edward Mullin
>>
>>
>
>

Date: Tue, 15 Oct 2002 18:42:42 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: mulline@tycoelectronics.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [138102] Re: Looking for a SIMPLE TR circuit
Message-ID: <5.1.1.6.2.20021015183630.02039040@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Edward... if you'll look at the PDF file associated with my webpage:
<http://www.n4xy.com/rf_front_end_reed_prot.html> you will find a simple
diode-rectified JFET circuit as the basis for the rest of the switching in
the diagram. Ought to fit your purpose just fine.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Tue, 15 Oct 2002 19:01:13 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@lehigh.edu
Subject: [138103] Re: TICK Keyers ?
Message-ID: <20021015.190125.8910.5.kc8aon@juno.com>

Many thanks to everyone on the list for their input, found Embedded Research Website finally, for some reason I just couldn't link to it until yesterday, but it's working fine now.

72/73 DE: K<>C<>8<>A<>0<>N
Rick McKee
Willow Wood, Ohio
Power is for punks ! QRP is for the confident !
QRP-L #2112, FPqrp #33, AR QRP #269

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<http://dl.www.juno.com/get/web/>.

Date: Tue, 15 Oct 2002 19:11:25 -0400
From: "Dave Richards" <wr3i@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [138104] I will be looking!
Message-ID: <FAEEKPCBNNDNKGMPIBKKECACIAA.wr3i@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I haven't got an email about the NEQRP SSB on Forty Tonight.
I will be on freq. and if I here nothing I will call after 5-minutes
Dave
WR3I

Date: Tue, 15 Oct 2002 16:05:52 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [138105] SMPS QRP

Message-ID: <GNEOLGDJDOPEALHJMKLCGELECOAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Has anyone successfully built a switch mode power supply that doesn't dog the receiver with noise?

Got a schematic example? I have built a few from schematics I've found via google searches, but god they're noisy - even with extensive filtering and isolation. I have all the parts I need, just haven't found a good circuit.

(and I've read several books on the subject ... looking for a proven technique / schematic.)

I'm sick of 60 Hz transformers. Suggestions welcome.

Thanks!
Tracy N4LGH

Date: Tue, 15 Oct 2002 19:14:37 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [138106] Re: Looking for a SIMPLE TR circuit
Message-ID: <5.1.1.6.1.20021015190633.00b219b8@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>I have been looking through The QRP Notebook by W1FB I found a simple power
>amp that uses two transistors that I would like to build it for those days
>when I need the whole 5 watts. There is no schem for just a straight TR
>circuit so I need a simple TR circuit to build with it so it'll switch by
>itself.

Ed,

The QRP Homebuilder's Homepage has a lot of good info for (obviously) homebrew QRP gear. One of the projects is a simple transceiver that has a "no switching" T/R switch:

<http://www.qrp.pops.net/funster.htm>

Figure 3 and the following paragraph describe how it works. I've seen this used in several projects, but this is one of the clearest explanations I've found. I used it in a simple transmitter project to allow an outboard receiver to be connected. Essentially the receiver is connected to the antenna through the transmitter's lowpass filter at all times - even during transmit - but inverse-parallel diodes limit the amount of signal that reaches the receiver. It doesn't mute the receiver, though, so be careful when you key down while wearing headphones. (Grin)

Dave

"An optimist says the glass is half full. A pessimist says the glass is half empty. An engineer says you could have used a smaller glass."

Dave Hinerman
WD8CIV@att.net

Date: Tue, 15 Oct 2002 19:31:44 -0400
From: "Marty N5NW" <n5nw@n5nw.org>
To: "QRP" <qrp-1@lehigh.edu>
Subject: [138107] Re: Wal Mart WWVB CLocks
Message-ID: <NGBBIMJEELMGFMHEAGAEFMCCAA.n5nw@n5nw.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Karl wrote:

> Anyway I have two, one on Mountain time and one on UTC. Odd
> thing though, I had to set mine to an offset of 1 rather than 0. I guess
> it makes sense to whoever designed the chip...

I think what you will find is that the clock is set to automatically change to daylight saving time, thus the hour change to UTC. After the time returns to standard, your local clock will automatically change, but the UTC clock offset will have to be changed.

Unless someone has discovered how to turn off daylight saving time ... which I have not.

--
73 de N5NW/8 (Marty)
Bellbrook, Ohio

Date: Mon, 14 Oct 2002 19:36:28 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [138108] WTB: 80 meter rig
Message-ID: <00ea01c273da\$94234780\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Gang

I'm looking for an 80 meter radio, at least 2 watts, need to cover 3650-3675 although coverage down to 3535 would be a plus. Need to be able to change frequencies with reasonable repeatability (and simplicity). I don't need spectacular selectivity although I would sort of not like a DC receiver.

Anything out there?

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Tue, 15 Oct 2002 19:40:48 -0400
From: "Marty N5NW" <n5nw@n5nw.org>
To: "QRP" <qrp-l@lehigh.edu>
Subject: [138109] Re: Miracle Whip
Message-ID: <NGBBIMJEELMGMFPMHEAGEEFMCCAA.n5nw@n5nw.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Miracle Whip antenna is actually produced in Canada, I believe, and Universal Radio (with a few others) are dealers. That part of the message wasn't clear to me. Universal Radio does not produce the antenna.

It does work -- I've operated a contest with the Miracle Whip and the 817, and had contacts coast to coast on 40. But it's nowhere close to even a compromise shortened dipole.

--

73 de N5NW/8 (Marty)
Bellbrook, Ohio

Date: Tue, 15 Oct 2002 19:48:54 EDT
From: Mercxx@aol.com
To: qrp-l@lehigh.edu
Subject: [138110] Portable Power
Message-ID: <138.161cc0e3.2ade0366@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Good evening,

I am getting ready to take a trip to Haiti and possibly into Africa where power is a premium. I was wondering could anyone recommend a solar/battery setup that is light and efficient (as efficient as possible is a better way to phrase it). I know that the opinions can go from mild to wild on this one. I am of course not powering any QRO gear and I am going in as light as possible. I would appreciate any and all opinions from the group. Thanks and have a great evening.

72
Steve
N4TKP

Date: Tue, 15 Oct 2002 19:44:57 -0400
From: "W2WU" <w2wurjj@verizon.net>
To: <qrp-l@lehigh.edu>
Subject: [138111] Fw: Space-Weather-Outlook
Message-ID: <000301c274a9\$8a1c4a00\$4adcfea9@vaio>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FYI., 73, Ron W2WU
----- Original Message -----
From: Space Environment Center <sec@sec.noaa.gov>
To: <advisory-list-send@dawn.sec.noaa.gov>
Sent: 15 October, 2002 14:30
Subject: Space-Weather-Outlook

> Official Space Weather Advisory issued by NOAA Space Environment Center
 > Boulder, Colorado, USA
 >
 > SPACE WEATHER ADVISORY OUTLOOK #02- 42
 > 2002 October 15 at 12:24 p.m. MDT (2002 October 15 1824 UTC)
 >
 > **** SPACE WEATHER OUTLOOK ****
 >
 > Summary For October 7-13
 > Space weather reached moderate levels. Category G2 (moderate)
 > geomagnetic storms were observed on October 7th and 8th. Category G1
 > (minor) storms were observed on October 9th and 10th. These
 > geomagnetic storms were primarily due to a southward oriented
 > interplanetary magnetic field. A category R1 (minor) radio blackout
 > occurred late on October 13th at 6:10 P.M. MDT (14/0010 UTC) due to an
 > energetic solar flare. For a list of adverse system effects related to
 > space weather storms, please refer to the NOAA Space Weather Scales.
 >
 > Outlook For October 16-22
 > Space weather is expected to reach the minor levels. Category G1
 > (moderate) geomagnetic storms are possible early in the week due to the
 > category R1 flare mentioned above. Additional category R1 (minor)
 > radio blackouts are possible during the week.
 >
 > Data used to provide space weather services are contributed by NOAA,
 > USAF, NASA, NSF, USGS, the International Space Environment Services
 > and other observatories, universities, and institutions. For more
 > information, including email services, see SEC's Space Weather
 > Advisories Web site <http://sec.noaa.gov/advisories> or (303) 497-5127.
 > The NOAA Public Affairs contact is Barbara McGehan at
 > Barbara.McGehan@noaa.gov or (303) 497-6288.

 Date: Tue, 15 Oct 2002 20:23:15 -0400
 From: Rick McKee <kc8aon@juno.com>
 To: qrp-1@lehigh.edu
 Subject: [138112] New "TWIST" on a Half Wave End Fed !
 Message-ID: <20021015.202403.8694.0.kc8aon@juno.com>

Hail Gang !

After building the little matching circuit and resistive bridge for the half wave endfed wire, I got to wondering. If the half wave endfed is somewhere in the range of 5000 to 6000 ohms impedance, then how much wire

would it take to equal the same impedance if it was wound helically on a piece of pvc pipe for use as a light weight vertical ? I am mainly interested in 40 meter operation, has anyone done this ? How much wire did you use? I think it would make a very useful "no radials needed" qrp antenna if feasible !

72/73 DE: K<>C<>8<>A<>0<>N

Rick McKee

Willow Wood, Ohio

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QRP-L #2112, FPqrp #33, AR QRP #269

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<http://dl.www.juno.com/get/web/>.

Date: Tue, 15 Oct 2002 16:25:18 -0800

From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>

To: markb@abq.com,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [138113] Re: Rock Mite 40

Message-ID: <5.1.1.6.0.20021015162410.02233c78@pop.earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:10 AM 10/15/2002 -0600, wrote:

>Use a voltmeter and check to see that the logic state of
>U3 pin 4 will change with the pushbutton switch. Sounds
>like you either have a bad switch or somehow pin 4 is
>grounded.

>

>Mark K5LXP

Mark's suggestion is a good one. I made the mistake when I walked into Radio Shack and asked for push buttons they sold me the NC (normally closed) ones and they are totally useless to me. So be careful.

FYI

Chuck Adams, K7QO
<http://www.qsl.net/k7qo> and <http://www.earthlink.net/~k7qo>

Moving to Arizona? ---- Please bring your own water.

Date: Tue, 15 Oct 2002 20:28:20 -0400
From: "W2WU" <w2wurjj@verizon.net>
To: <qrp-1@lehigh.edu>
Subject: [138114] UTC/ZULU/LOCAL TIMES
Message-ID: <000901c274aa\$f4326180\$4adcfea9@vaio>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Please correct me, isn't / wasn't GMT = Zulu = UTC.
GMT never changed.. We adjusted net schedules + or - to local time (Romeo)
Ergo: Local time was + 4 or + 5 hours in reference to GMT/ZULU. 73, Ron W2WU
----- Original Message -----
From: Marty N5NW <n5nw@n5nw.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: 15 October, 2002 19:31
Subject: Re: Wal Mart WWVB CLOCKS

> <SNIP>
>
> I think what you will find is that the clock is set to automatically
change
> to daylight saving time, thus the hour change to UTC. After the time
> returns to standard, your local clock will automatically change, but the
UTC
> clock offset will have to be changed.
>
> Unless someone has discovered how to turn off daylight saving time ...
which
> I have not.
>
> --
> 73 de N5NW/8 (Marty)
> Bellbrook, Ohio

Date: Tue, 15 Oct 2002 17:41:40 -0700
From: Timothy-Allen Albertson-KG6IRH <kg6irh@pacbell.net>
To: qrp-l@lehigh.edu
Subject: [138115] Re: Portable Power
Message-ID: <073501c274ac\$cb7da040\$a815ad40@computer>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Are you going to have to haul in it on your back
or do you have a mule or indigenous guides?

73 de tim kg6irh.

> I am getting ready to take a trip to Haiti and possibly into Africa
where
> power is a premium. I was wondering could anyone recommend a
solar/battery
> setup that is light and efficient (as efficient as possible is a better
way
> to phrase it). I know that the opinions can go from mild to wild on this
> one. I am of course not powering any QRO gear and I am going in as light
as
> possible. I would appreciate any and all opinions from the group. Thanks
> and have a great evening.

Date: Tue, 15 Oct 2002 20:42:11 -0500
From: <mgoins@usa.net>
To: <qrp-l@lehigh.edu>
Subject: [138116] OT
Message-ID: <200210160144.g9G1i4h3028473@rain.CC.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Sort of qrp as it pertains to me getting the FT-817 mobile any time soon.=

Getting ready to install a new (old) mobile antenna, but I'm out of CoaxS=
eal.

Does anyone know where I can get a roll without a \$20 minimum order? Anyo=
ne

have a roll they'd part with? =

mike
wb5yjx
1 watt all the time

Date: Wed, 16 Oct 2002 01:46:33 +0000
From: "Alan Fryer" <N3BJ@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [138117] Wanted: EICO 722 VFO
Message-ID: <OE33YewQ1N8Pik3Y8pE000003b5@hotmail.com>

Wonder if anyone on the list has an EICO 722 VFO that is surplus ? Just acquired a 723 transmitter and need its mate. Might consider a Heathkit HG-10, also.

Alan, N3BJ
Bent Mountain, VA

Date: Tue, 15 Oct 2002 19:50:36 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-l@lehigh.edu>
Subject: [138118] Help for Pacificon Talk
Message-ID: <B9D2220C.1ECB5%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

All - I am looking for several items for my Pacificon talk, "Building and Tuning a Dipole Antenna". It would help if I did not have to bring these to Concord with me, especially since I don't have a couple of them. I need an SWR bridge, a rig that will receive 15 M and a bit of the band on either side of it and whose AGC can be turned off, an MFJ - 259 antenna analyzer, and a cold beer. All but one will be returned at the end of the talk.

I also need three volunteers, a tall one to serve as a center support and two shorter ones to serve as end supports. Twins would be nice for the end supports. - Dr. Megacycle KK6MC/5

--
James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Tue, 15 Oct 2002 21:35:51 -0500
From: "Brian" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [138119] Re: Rock Mite 40
Message-ID: <002301c274bc\$c0a2e5d0\$67602bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My favorite source of pushbutton switches is.....

Old VCR's

The front panels are loaded with them. Also, some old keyboards use PBNO (Push Button Normally Open) switches, old PC's almost always have a PBNO for the reset button, switches out of old mice work well too.

73

I still have the squeal. My RM40 is quiet, my RM20 is very squealy.

I have the antenna ground soldered to one corner, I have the AF ground on another corner, the switch ground and the paddle ground is on another (yet same) corner, and the last corner has the negative power lead.

----- Original Message -----

From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, October 15, 2002 7:25 PM
Subject: Re: Rock Mite 40

> At 11:10 AM 10/15/2002 -0600, wrote:

>

> >Use a voltmeter and check to see that the logic state of
> >U3 pin 4 will change with the pushbutton switch. Sounds
> >like you either have a bad switch or somehow pin 4 is
> >grounded.

> >

> >Mark K5LXP

>

>

> Mark's suggestion is a good one. I made the mistake when I
> walked into Radio Shack and asked for push buttons they sold

> me the NC (normally closed) ones and they are totally useless
> to me. So be careful.
>
> FYI
>
>
>
>
> Chuck Adams, K7QO
> <http://www.qsl.net/k7qo> and <http://www.earthlink.net/~k7qo>
>
> Moving to Arizona? ---- Please bring your own water.
>
>
>

Date: Tue, 15 Oct 2002 22:37:18 -0400
From: "Emmerson Bigguns" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [138120] RE: UTC/ZULU/LOCAL TIMES
Message-ID: <MMEDLKDLONJOAIGICDJA0EJHDGAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

GMT was replaced with UTC around 1986.
DXing.com has a good reference on the subject:
<http://www.dxing.com/utcgmt.htm>

72, oo
Dan, N8IE
FPqrp #-6, QRP-1 #1404, FISTS #4985

-----Original Message-----
From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
W2WU
Sent: Tuesday, October 15, 2002 8:28 PM
To: Low Power Amateur Radio Discussion
Subject: UTC/ZULU/LOCAL TIMES

Please correct me, isn't / wasn't GMT = Zulu = UTC.

GMT never changed.. We adjusted net schedules + or - to local time (Romeo)
Ergo: Local time was + 4 or + 5 hours in reference to GMT/ZULU. 73, Ron W2WU
----- Original Message -----
From: Marty N5NW <n5nw@n5nw.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: 15 October, 2002 19:31
Subject: Re: Wal Mart WWVB Clocks

> <SNIP>
>
> I think what you will find is that the clock is set to automatically
change
> to daylight saving time, thus the hour change to UTC. After the time
> returns to standard, your local clock will automatically change, but the
UTC
> clock offset will have to be changed.
>
> Unless someone has discovered how to turn off daylight saving time ...
which
> I have not.
>
> --
> 73 de N5NW/8 (Marty)
> Bellbrook, Ohio

Incoming mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.394 / Virus Database: 224 - Release Date: 10/3/2002

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.394 / Virus Database: 224 - Release Date: 10/3/2002

Date: Tue, 15 Oct 2002 22:48:47 -0400
From: Ron Majewski <ron.majewski@veridian.com>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [138121] FS: FT-690RII 6m allmode portable low power xcvr
Message-ID: <3DACD38F.4B122E2B@veridian.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

For Sale:

Yaesu FT-690R II 6m allmode portable, low power transceiver, 50-54 MHz
Includes FL6020 10w amplifier, box, manual, mike, whip antenna
Puts out about 2w without the amplifier, 10w with it
Face is in excellent condition, cabinet is in vgc (1 scratch on bottom)
\$425 including conus shipping
money order up front please
contact Ron (W8RU) via w8ru@arrl.net

Thanks and 72!

Date: Tue, 15 Oct 2002 22:52:46 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [138122] eham???
Message-ID: <5.1.1.6.2.20021015225147.02035c10@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

What's happened to eham?

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Tue, 15 Oct 2002 23:06:53 -0400
From: "Lee Mairs" <lmairs@direcway.com>
To: <w2wurjj@verizon.net>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [138123] Re: UTC/ZULU/LOCAL TIMES
Message-ID: <021101c274c1\$193b44e0\$3b6d020a@J4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

GMT=UTC=Zulu.

Zulu is the thing us old farts remember from our early days. Was that a Vietnam thing? I don't remember.
73 de Lee, KM4YY

----- Original Message -----

From: "W2WU" <w2wurjj@verizon.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, October 15, 2002 8:28 PM
Subject: UTC/ZULU/LOCAL TIMES

> Please correct me, isn't / wasn't GMT = Zulu = UTC.
> GMT never changed.. We adjusted net schedules + or - to local time (Romeo)
> Ergo: Local time was + 4 or + 5 hours in reference to GMT/ZULU. 73, Ron
W2WU

> ----- Original Message -----

> From: Marty N5NW <n5nw@n5nw.org>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Sent: 15 October, 2002 19:31
> Subject: Re: Wal Mart WWVB Clocks

>

>

> > <SNIP>

> >

> > I think what you will find is that the clock is set to automatically
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> > to daylight saving time, thus the hour change to UTC. After the time
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> > Unless someone has discovered how to turn off daylight saving time ...
> which

> > I have not.

> >

> > --

> > 73 de N5NW/8 (Marty)

> > Bellbrook, Ohio

>

>

>

Date: Tue, 15 Oct 2002 21:28:05 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <mgoins@usa.net>, qrp-l <qrp-l@lehigh.edu>
Subject: [138124] Re: OT
Message-ID: <B9D238E5.1ECD1%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Radio Shack used to sell it. Check them. The equivalent, "self amalgating tape" may be available at home builder's supply stores. Plumbers putty will also work. Various kinds of "Goop" brand adhesives are also a good choice. I have used car windshield sealant. You can also paint the joint with liquid electrical tape (available at home builders stores) and then wrap it with real electrical tape. I hope that this helps - Duffey

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Tue, 15 Oct 2002 16:56:26 -0800
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [138125] Keyer Chips
Message-ID: <5.1.1.6.0.20021015162945.02236410@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I should know in about an hour or two if this is going to work.

Here is the idea. Use the keyer chip in the Rock-Mite to key a SWL-XX+ rig. In my case a SWL-30+ which I will bring to Pacificon.

Take the Rock-Mite diagram and look at the keyer chip.
You need a 1K resistor, a 4.7 or 5.1V zener, about 5 0.1uF
mono or disc caps, the uP chip and socket.

If you have a 2N7000 then use it to switch the keying line
or as in my case without a 2N7000 in the parts bin I'm using
a 6.8K resistor and a plastic 2N2222 for the keying line.

The time is 00:30UTC on 10/16/2002 and the clock is ticking.
I have to eat first then I'll rush to do this using the Manhattan
style. My idea is to glue the small little board to the side of
the 2.5mm stereo jack for the paddle.

Then if time allows I'll work in the Freq-Mite to get the frequency
on the phones.

What this gives me is a complete rig for either 80, 40, 30, or 20
for around \$100. But this is not for everyone. I saved the \$39
on the enclosure and connectors from my supply, so the rig
was under \$75. I also had to do my own positioning and mounting
of the Freq-Mite (\$20 ppd from Dave). I'll try to talk Dave into
thinking about selling the uP alone for those daring experimenters
out there in QRP-L land.

Film at 11.

Ooops. Dinner bell just rang. I'm outta here.

dit dit

Chuck Adams, K7QO
<http://www.qsl.net/k7qo> and <http://www.earthlink.net/~k7qo>

Moving to Arizona? ---- Please bring your own water.

Date: Tue, 15 Oct 2002 23:56:25 -0400
From: Larry - WA2DGD <wa2dgd@comcast.net>
To: k7qo@earthlink.net,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [138126] Re: Rock Mite 40
Message-ID: <017001c274c7\$ff89cc90\$6401a8c0@hamroom>
MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Thanks,
Already checked that, it appears to be the PIC.

Larry

----- Original Message -----

From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, October 15, 2002 8:25 PM
Subject: Re: Rock Mite 40

> At 11:10 AM 10/15/2002 -0600, wrote:
>
> >Use a voltmeter and check to see that the logic state of
> >U3 pin 4 will change with the pushbutton switch. Sounds
> >like you either have a bad switch or somehow pin 4 is
> >grounded.
> >
> >Mark K5LXP
>
>
> Mark's suggestion is a good one. I made the mistake when I
> walked into Radio Shack and asked for push buttons they sold
> me the NC (normally closed) ones and they are totally useless
> to me. So be careful.
>
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>
>
>
> Chuck Adams, K7Q0
> <http://www.qsl.net/k7qo> and <http://www.earthlink.net/~k7qo>
>
> Moving to Arizona? ---- Please bring your own water.
>

Date: Tue, 15 Oct 2002 23:56:21 -0400
From: John Zaruba Jr <jzaruba@mac.com>
To: Mercxx@aol.com
Cc: qrp-1@lehigh.edu
Subject: [138127] Re: Portable Power (Long response)

Message-ID: <3B573A3B-E0BB-11D6-AC04-003065C74F1A@mac.com>
Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v546)
Content-Transfer-Encoding: 7bit

Hi Steve,

The first thing you need to determine is your power budget (rig, tuner, computer, cell phone - whatever toys you'd like to power). Then, how much power do you need to store ($\text{Amp Hours of Capacity} / \text{Total Current Draw} \times \text{Desired Hours of Operation}$). Batteries can get pretty heavy if you're carrying them on your back :-)

The next design issue is how much available sunlight will you have. The National Renewable Energy Lab (www.nrel.gov) has insolation figures for the US, I'm not sure if they are available for locations outside the US. For the US, at least, these tables show average daily hours of sunlight. $\text{Hours of Insolation (illumination)} \times \text{PV Output in watts} = \text{total power generation capability in watt hours (or Kilowatt hours if you've got a real strong back!)}$

Now, time to start shopping specifications for PV panels. Panels are usually rated by short circuit current and open circuit voltage. Multiplying these figures yields the theoretical maximum output - which you will NEVER get. De-rating is the rule, and I usually derate by 15 to 20%. For example, the portable panel set I use is rated at 16 Voc and .625 Ics, which results in a theoretical power of 10 watts. My real world measurements (panels in full sun with an incidence angle of 0 degrees charging a 2.3 Amp Hour Gel Cell) are 14.5 Volts and .550 A, or closer to 8 watts than 10. If the angle of the panels are not perpendicular to the sun, your generation capability will be less. Close to the equator, flat on the ground will be acceptable for the brightest part of the day. Same issues with haze in the air, clouds, etc. Anything which cast a shadow, even on part of the panel, will just about totally kill the output. Obviously, the amount of time you have to setup and be charging will also be a factor (I would not leave my PV/Battery system sitting unattended, lest it grow legs and run away).

All that being said, I would oversize the PV with respect to the size of the storage battery, to give you more flexibility in charging, as well as giving you the option of operating the equipment while charging. A good PV choice would be the UniSolar FLX-32, which is flexible (it can be rolled up into a tube shape for transport), is rated for 32 watts output, and weighs about 7 lbs. The downside - it's pricey, about 300 bucks.

Another decision point involves the battery. SLA (Sealed Lead Acid - AKA Gel Cell) would be the way to go, based on your e-mail. Are you

going to consider the battery to be expendable for this trip? If so, you could routinely use 80% of the rated capacity, but it will shorten the long term life. If not, do not discharge the battery below 50% of rated capacity. If the battery is being charged at greater than the C/10 (battery capacity / 10) rate, you MUST install a charge controller, otherwise you will destroy the battery in short order. Lower than C/10, a controller is optional. The good news - they're cheap. SunLogic has a nice kit for around \$40 bucks with good current handling capability and no RF switching noise. Morningstar is another nice vendor for small capacity (<10 A) controllers.

If I were designing a system for a trip like yours, and decided on using my FT-817 and Z-11 tuner combo, here's what I would run with:

Unisolar FLX-32, Morningstar SunSaver 6, and 2.3 AH SLA Battery.

Dark Operating Time - about 3 hours (Low limit 45 min Key down, High limit 4 hrs RX Only) (Your mileage WILL vary).

Recharge time (not running radio gear) - about 1 hour

Recharge time (FT-817 RX only) - about 1.5 hours

For other requirements, vary the battery and PV capacity (in other words, use more than one of each).

I hope this answers you questions, and sorry for being so long winded.

73,

John AA2BN

Date: Tue, 15 Oct 2002 20:29:00 -0800
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>
To: qrp-1@lehigh.edu
Subject: [138128] Rock-Mite keyer in a SW-30+
Message-ID: <5.1.1.6.0.20021015202106.00b1e940@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

Got the board built up Manhattan style in short order and it worked out of the box. I have pictures that I'll get on the web later tonight. Right now I'm up around 10.116MHz or so working until the band

closes. It is just plain fun to get on the air with a rig you built yourself. Know what I means kid?

One thing that I did not do and maybe I'll go back and add it. I did not use the tone output of the keyer. So when I go to set the speed I'm doing it in the dark. But with a little practice it should be just a matter of timing to get on the mark regularly.

So with beginners building a Rock-Mite and then graduating to the SW-XX+ rig they can bring along the keyer. I'm sure some one will come along with a tiny-weeny circuit board for those that just don't want to build Ugly or Manhattan style.

I will post the schematic, what little there is of it and the pics later when I can sit down and write what I did down. You know that the documentation comes after the project is done. I'm sure it's in Scott Adams' work some where.....

You remember that I first discovered the straight key bug in the keyer when I got a RM-40 and posted it. Dave was kind enough to send me a replacement with the bug corrected. Well, since I'm not using a straight key ever that I know of (you don't wanna hear me try that one) the keyer works just fine otherwise, so waste not - want not.

Thanks Dave for a fine keyer. I'll bring it to Pacificon to show around. If I order any more I'd like the default start up speed to be 20wpm..... ;-)

dit dit

Chuck Adams, K7QO
<http://www.qsl.net/k7qo> and <http://www.earthlink.net/~k7qo>

Moving to Arizona? ---- Please bring your own water.

Date: Wed, 16 Oct 2002 00:39:17 -0400
From: "George Osier" <gosier@twcnny.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [138129] SC needed for mw WAS!!!!!!
Message-ID: <00a801c274cd\$fce0bde0\$aa634342@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All !!!!

Got all but South Carolina confirmed for milliwatt WAS !!! ... Worked W40C
but can seem to get a card from him.....

Anybody from SC able to set up a sked ????????

Just one QSL short from having all 3 QRP-ARCI AWARDS with milliwatt
endorsements !!!!!!!

73s

George Osier , N2JNZ / QRP

Date: Tue, 15 Oct 2002 21:54:37 -0700
From: "Peter A. Bonucci" <pbonucci@slonet.org>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [138130] Re: Wal Mart WWVB CLOCKS
Message-ID: <3DACF10D.8000803@slonet.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

There is another, similar, clock at WalMart. They sell the Atomix "Set
& Forget Timepiece". I bought mine for about US\$20.

It has switches to select the time zone (PST/MST/CST/EST) and a switch
to turn off daylight saving time (intended for Arizona and Indiana.)

If only I could figure out how to make it read UTC.... :)

Peter A. Bonucci

Marty N5NW wrote:

>Karl wrote:

>
>
>

>> Anyway I have two, one on Mountain time and one on UTC. Odd

>>thing though, I had to set mine to an offset of 1 rather than 0. I guess
>>it makes sense to whoever designed the chip...
>>
>>
>
>I think what you will find is that the clock is set to automatically change
>to daylight saving time, thus the hour change to UTC. After the time
>returns to standard, your local clock will automatically change, but the UTC
>clock offset will have to be changed.
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>Unless someone has discovered how to turn off daylight saving time ... which
>I have not.
>
>--
>73 de N5NW/8 (Marty)
>Bellbrook, Ohio
>
>
>
>

Date: Wed, 16 Oct 2002 00:06:57 -0700
From: "Dave Fifield" <dave@redhotradio.com>
To: <jamesd1@flash.net>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [138131] RE: Help for Pacificon Talk
Message-ID: <000001c274e2\$9d9ba790\$0200a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Dr.Megacycle,

I have an MFJ-259C that I can bring along for your demo.
I have a Diamond SX-1000 SWR bridge/power meter too - it's
good for QRP. Also, I will have an FT-817 with me that has an
AGC OFF mode. To top it off, I am a twin, but my twin lives
in England so we'll have to find someone else who's going
to QRPacificon that's a twin as well - anyone? (you didn't
say that they had to be each other's twin...)

Do we need blonde wigs?

Cheers and beers (I prefer red wine actually...)
Dave Fifield, AD6A

-----Original Message-----

From: James R. Duffey
Subject: Help for Pacificon Talk

All - I am looking for several items for my Pacificon talk, "Building and Tuning a Dipole Antenna". It would help if I did not have to bring these to Concord with me, especially since I don't have a couple of them. I need an SWR bridge, a rig that will receive 15 M and a bit of the band on either side of it and whose AGC can be turned off, an MFJ - 259 antenna analyzer, and a cold beer. All but one will be returned at the end of the talk.

I also need three volunteers, a tall one to serve as a center support and two shorter ones to serve as end supports. Twins would be nice for the end supports. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Wed, 16 Oct 2002 01:08:48 -0600
From: "J. Medley" <jmedley@ix.netcom.com>
To: qrp-l@lehigh.edu
Subject: [138132] CQ B00!
Message-ID: <3DAD107F.3EC6380E@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Official Rules for the Zombie Shuffle

Why: Because Zombies don't sprint.

When: Friday Nite, October 25, 2002
Any 4-hour period you choose from your local sundown to local midnight. You can split it into two sessions if interruptions are unavoidable. Just for the record, your local sundown will be 6 p.m. and if your local weather people disagree, I'll zap 'em with a spell!!!!

Special DX Rule: operate any 4-hour period as above, or split it into two sessions if you need to, between

2200Z 10/25 to 0700Z 10/26. This includes HI and AK.

Special Note: if you're just having too much fun to quit
and want to hang out and pass out points, that's fine!
Just submit your best 4 hours. But make note of these
special contacts in your log so you don't get all
confused or something :)

Where: 20, 40, and 80 meters
Somewhere in the vicinity of the QRP gathering/calling
frequencies (14.060, 7.040, 7.110, 3.560, 3.710), be
considerate of others because they may not know about
Zombies, also spend some time in the Novice frequencies
too....all Zombies are brothers in spirit after all.

How: CW only
QRP only (5 watts or less power out)

What do I say: RST, SPC, Zombie number, Name (+ age if /JR)
-RST is a signal report
-SPC means state, province, or DXCC country
-Zombie Number is that series of numbers at the
bottom of your Zombie badge....or you can
use your local telephone area code if you
don't have a Zombie number; please use
only one number (if you have more than one
Zombie number you might want to use the
higher of the two since it's worth more
points ;>)
-Name is what everybody calls you....watch it!

Notes: if you're a YL op, then add /YL after your callsign
if you're a Junior Zombie station (any op that's 18 yrs or
younger, and is a Novice/Tech+ or working with a
control operator present, such as an Elmer or someone
who is licensed to use the above frequencies) then add
/JR after the callsign used and remember to add your
age after your name

Okay, one more note: everybody decided CQ B00 was fun to use
(and a lot shorter) for calling CQ

Fun Scoring: Your score is going to be the sum of all Zombie numbers
and telephone area codes worked on ALL bands! Stations
can only be worked once per band however. Then you're
going to add in all the special bonus points and stuff
to arrive at a really big score! Use the Official Zombie
Score Sheet... it's a whole lot easier than trying to

explain it all here.

Okay, now what: Send your completed score sheets (only) by December 1, 2001, to the Contest Coroner below via snail mail or e-mail.

Who's the Contest Coroner: Well, that'd be lil ol' me...
Jan Medley, N0QT
Zombie Shuffle Contest Coroner
PO Box 1768
Socorro NM 87801

You can e-mail your score sheet to the Contest Coroner...
Please use plain ASCII text ONLY!!!! No fancy-schmancy stuff
(like html or word processor documents and spreadsheets or
jpg files or anything) because it will be deleted by the
system. Be sure to put your Callsign and "Zombie Shuffle"
in the subject line and send it to:
n0qt@arrl.net

72 and Ghouled Luck in the contest!

Jan, N0QT

<http://geocities.com/n0qt>

OFFICIAL ZOMBIE SHUFFLE SCORE SHEET

Callsign used: _____ (/YL,/JR) Zombie#/Area Code: _____
Ops (Name/Call): _____
Address: _____
City: _____ State: _____ Zip: _____
Equipment used: _____

- 1) _____ Number of stations worked on ALL bands -- this really isn't used for anything, just being nosy.
- 2) _____ Sum of Zombie numbers -- add up ALL Zombie numbers and area codes worked on ALL bands. BE CAREFUL! This could be a really big number! Better use a calculator.

BONUS POINTS:

- 3) _____ Add 1000 points if you're a /JR station (18 yrs or less)
[HINT: Novices or Junior Zombies -- you can work the Shuffle if a control operator is present. Remember to send your age.]
- 4) _____ Add 666 points if you think the bands were crummy.
- 5) _____ Add 666 points if you worked more than 13 stations.
- 6) _____ Add 666 points for EACH YL/Witchess worked on ALL bands
(666 x _____).
- 7) _____ Add 666 points for EACH Elvis worked on ALL bands

- (666 x _____).
- 8) _____ Add 666 points for EACH Junior Zombie (age 18 yrs or under) worked on ALL bands
(666 x _____).
- 9) _____ Add 666 points for EACH Grand Zombie worked on ALL bands (666 x _____). (These are Zombie numbers 000-025)
- 10) _____ Add 666 points for EACH Elvira worked on ALL bands
(666 x _____).
- 11) _____ Add up lines 2 through 10, pretty big number ain't it?!

SUPER SPECIAL BONUS POINTS FOR A REALLY SCARY SCORE:

- 12) _____ Add 1,000 points if you can name 3 of the Elvis stations:
 Call Real Name Location
 _____ _____ _____
 _____ _____ _____
 _____ _____ _____
- 13) _____ TOTAL SCORE. Add lines 11 and 12.
 (And it still comes out to 13 lines!)

Date: Wed, 16 Oct 2002 01:32:57 -0800
 From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>
 To: qrp-l@lehigh.edu
 Subject: [138133] How to use the Rock-Mite keyer chip in another rig
 Message-ID: <5.1.1.6.0.20021016012106.00b1ea48@pop.earthlink.net>
 Mime-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

OK. That was just too much fun.

I have a web page

<http://www.qsl.net/k7qo/swl30k.html>

swl30k for Small Wonder Labs SW-30+ with keyer.

One of the things to consider is if beginners build a Rock-Mite and then decide that hanging out on one frequency isn't all that great, then when they move up to say a SW-80+, SW-40+, SW-30+, or SW-20+ then the \$25 investment isn't lost. They can use the

keyer and some small construction to use the keyer in another rig.

Jim Kortge, K8IQY, can tell you the same thing that I'm going to tell you. Building using Manhattan Style is much more difficult to explain and write up than it is to do. It took me less than an hour to build the board and install it. But it took me over 2 hours to write it up and get the files transferred, etc.

I use a Toshiba camera and with the higher resolution over the old Epson you gotta like the photos. These turned out rather nicely. I hope you have a 1280 by 1024 screen with lots of color resolution. Trivial fact: a number of monitors can generate 16.7million colors, but the human eye can only resolve about 100,000.

Any way --- the technology that we enjoy today has really sped up the way we communicate, for good or bad. I was able to build something and then share it with a bunch of people in short order. No more waiting for the next issue of a magazine to see it. No charge other than what you are paying an ISP, etc. Plus the computer and monitors, etc.

I was hearing Europe, a ZS1, and few other DX stations on the 10.15 MHz band. So 30 meters is doing just fine. Looking forward to winter propagation and lower QRN levels.

FYI and the film was delayed, :-) No more news until next week. Have a safe trip one and all.

K7Q0/6

Chuck Adams, K7Q0
<http://www.qsl.net/k7qo> and <http://www.earthlink.net/~k7qo>

Moving to Arizona? ---- Please bring your own water.

Date: Wed, 16 Oct 2002 04:52:24 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <n4xy@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [138134] Re: eham???
Message-ID: <004501c27502\$1d417a50\$6401a8c0@greyrock>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Working fine here at, 16-Oct-2002, 1050z.

73, Rod N0RC

----- Original Message -----

From: "Ed Tanton" <n4xy@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, October 15, 2002 8:52 PM
Subject: eham???

> What's happened to eham?
>

Date: Wed, 16 Oct 2002 06:01:52 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu, George Baker <w5yr@att.net>,
Lew Paceley <lew@paceley.com>,
Subject: [138135] NETXQRP Club Meeting, Saturday 19 October
Message-ID: <3.0.2.32.20021016060152.007dc100@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRPers,

All who are interested are invited to attend.

Saturday, October 19, 2002 -- 1:00 to 3:00 pm (or so)

Los Hermanos
Interstate 80
Terrell, TX

Directions:

On the North side of I-80 East of the intersection of 205 and 148. 205 goes North to Rockwall. 148 goes South back across I-20.

Presentation: George, W5YR, will demonstrate the inner working of baluns.

If you have a favorite QRP something you'd like to bring along, please do.
Come join the fun!

Email Alt: w5usj@arrl.net

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPP-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Wed, 16 Oct 2002 07:50:56 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: kc8aon@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [138136] Re: New "TWIST" on a Half Wave End Fed !
Message-ID: <3DAD52A0.A2AF3378@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Actually count on starting with a full wavelength of wire to get a half wave helical antenna. The actual length will depend on three things: first, the diameter of the form, second the length of the winding, and third the pitch of the winding. This is all explained in the ARRL Handbooks. As far as I know there are no valid formulas. Everything is empirical. These guidelines have worked for me for 30 years and three antennas. Note, a helically wound vertical has an abominably LOW radiation resistance, so you might have trouble getting 5000 ohms!

73

Rick McKee wrote:

>
> Hail Gang !
> After building the little matching circuit and resistive bridge for the
> half wave endfed wire, I got to wondering. If the half wave endfed is
> somewhere in the range of 5000 to 6000 ohms impedance, then how much wire
> would it take to equal the same impedance if it was wound helically on a
> piece of pvc pipe for use as a light weight vertical ? I am mainly
> interested in 40 meter operation, has anyone done this ? How much wire
> did you use? I think it would make a very useful "no radials needed"
> qrp antenna if feasible !

>
> 72/73 DE: K<>C<>8<>A<>0<>N
> Rick McKee
> Willow Wood, Ohio
> Power is for punks ! QRP is for the confident !

> QRP-L #2112, FPqrp #33, AR QRP #269
>
> -----
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> <http://dl.www.juno.com/get/web/>.

Date: Wed, 16 Oct 2002 08:13:33 EDT
From: Mercxx@aol.com
To: qrp-l@lehigh.edu
Subject: [138137] Portable Power Question
Message-ID: <e5.1fb0db03.2adeb1ed@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Good Morning,

I want to thank everyone for their answers/responses. I have plenty of information to go on. I appreciate it and everyone have a good week.

73
Steve
N4TKP
Bartow, Florida

Date: Wed, 16 Oct 2002 06:19:38 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Mercxx@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [138138] Re: Portable Power
Message-ID: <Pine.LNX.4.44.0210160618000.1907-1000000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Steve, In both places you will have a car with a big battery. Use it to run your gear. Watch out for Rino's. They like to roll over cars.

On Tue, 15 Oct 2002 Mercxx@aol.com wrote:

> Good evening,
> I am getting ready to take a trip to Haiti and possibly into Africa where

> power is a premium. I was wondering could anyone recommend a solar/battery
> setup that is light and efficient (as efficient as possible is a better way
> to phrase it). I know that the opinions can go from mild to wild on this
> one. I am of course not powering any QRO gear and I am going in as light as
> possible. I would appreciate any and all opinions from the group. Thanks
> and have a great evening.

>

> 72

> Steve

> N4TKP

>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Wed, 16 Oct 2002 08:20:38 -0400
From: "Joe Roof" <jroof@mindspring.com>
To: <qrp-1@lehigh.edu>
Subject: [138139] Re: New "TWIST" on a Half Wave End Fed !
Message-ID: <000501c2750e\$6fb32ac0\$6401a8c0@joe>

Rick,

I just made something similar using RG174 for 20 meters. The coil was about 10 turns (about 5 inches in diameter at the 1/2 wave point and adjusted for a low SWR using a MFJ antenna analyzer.

Construction details are in the North Georgia QRP Club Compendium page 103. See <http://www.nogaqrp.org>

Basically just solder 1/4 wave of stranded hookup wire to the end of the coax center insulator (cover joint with heat shrink) and then wrap your coil approximately 1/2 wave from the end of the antenna.

Good Luck

72

Joe, w4jhr

Date: Wed, 16 Oct 2002 07:21:15 -0500
From: "w5tb" <w5tb@arrl.net>

To: <jmedley@ix.netcom.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [138140] Re: CQ B00!
Message-ID: <00a801c2750e\$864a3f80\$0300a8c0@altn1.tx.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Great J!

As it happens I will be set up once again on the banks of the Cossatot =
river in Arkansas (the Cossatot was known to indians as the "Skull =
Crusher") on a college canoe/camping class trip I help lead each fall. =
My favorite spot for CQ Boo ;-)

This year I'll bring the K1 so I can hit both 40 and 20 -- CU there!

72, 73, oo T.E. 'Doc' Drake, W5TB
Arlington, Texas
FISTS # 5365 QRPARCI # 3532 ARRL Life Member K1 #181 K2#1617=20

Date: Wed, 16 Oct 2002 08:23:26 -0400
From: "Joe Roof" <jroof@mindspring.com>
To: <qrp-1@lehigh.edu>
Subject: [138141] Re: New "TWIST" on a Half Wave End Fed !
Message-ID: <000901c2750e\$d41038a0\$6401a8c0@joe>

Rick,
Sorry about my previous post, my brain didn't want to see Helical <G>
Joe, w4jhr

Date: Wed, 16 Oct 2002 08:34:15 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [138142] Re: UTC/ZULU/LOCAL TIMES
Message-ID: <5.1.1.6.1.20021016083054.00a69910@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Ron,

As far as I can tell, these clocks don't -really- support GMT (or UTC, or Z). They support the time zone that includes England, Ireland, etc. And I know at least Ireland (and I presume England) observe Daylight Saving Time, although the shift dates are different than in the US.

I worked for a company whose headquarters were in Dublin, and keeping track of the time differential was interesting in the spring and fall. Most of the year we were 5 hours apart, even when we were in DST because they were too, but for a few weeks in the spring and fall we were only 4 hours apart.

Dave

At 08:28 PM 10/15/2002 -0400, you wrote:

>Please correct me, isn't / wasn't GMT = Zulu = UTC.
>GMT never changed.. We adjusted net schedules + or - to local time (Romeo)
>Ergo: Local time was + 4 or + 5 hours in reference to GMT/ZULU. 73, Ron W2WU
>----- Original Message -----
>From: Marty N5NW <n5nw@n5nw.org>
>To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
>Sent: 15 October, 2002 19:31
>Subject: Re: Wal Mart WWVB Clocks
>
>
> > <SNIP>
> >
> > I think what you will find is that the clock is set to automatically
>change
> > to daylight saving time, thus the hour change to UTC. After the time
> > returns to standard, your local clock will automatically change, but the
>UTC
> > clock offset will have to be changed.
> >
> > Unless someone has discovered how to turn off daylight saving time ...
>which
> > I have not.
> >
> > --
> > 73 de N5NW/8 (Marty)
> > Bellbrook, Ohio

Electrical items never die, you see, I am merely unable to revive them with today's technology.

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Wed, 16 Oct 2002 08:43:14 -0400
From: "Mark S. Adams, P.E." <msadams@acsu.buffalo.edu>
To: qrp-1@lehigh.edu
Subject: [138143] NEED: KG6CYN DDS Boards
Message-ID: <3965643116.1034757794@OES-MADAMS>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Hi Gang,

Does anyone have a set of the KG6CYN DDS Signal Generator Boards that they would like to sell? My neighbor, W2TAU, wants to build them into a project and cannot get a hold of the designer.

Thanks,
Mark K2QO

Mark S. Adams, P.E.
University at Buffalo
Occupational and Environmental Safety
220 Winspear Avenue
Buffalo, NY 14215-1034
Tel: 716.829.3707 ext. 25 Fax: 716.829.2704
Cell: 716.863.7229

Date: Wed, 16 Oct 2002 08:42:26 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [138144] Re: CQ B00!
Message-ID: <5.1.1.6.1.20021016084051.00a78a40@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>Okay, now what: Send your completed score sheets (only) by December 1,
> 2001, to the Contest Coroner below via snail mail or
> e-mail.

Jay,

I haven't got my Time Machine working yet - the Indians want more beads and trinkets for the Manhattan pads. Can I get an extension to submit before December 1, 2002?

Dave

Electrical items never die, you see, I am merely unable to revive them with today's technology.

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Wed, 16 Oct 2002 07:45:55 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu
Subject: [138145] [WTB] 7030 Crystal Pair for R-M/40
Message-ID: <3.0.2.32.20021016074555.007cfe20@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks,

Looking for a source of 7030 crystals for my R-M/40.

Hopefully, a source that will sell a pair at a reasonable price. I did check Peter's website but nothing indicated sale of crystals separate from kits. IRC etc is not an option for 2 crystals... [g]

Email Alt: w5usj@arrl.net

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Wed, 16 Oct 2002 09:02:57 -0400
From: JLeroy@automationdirect.com
To: qrp-l@lehigh.edu
Subject: [138146] Using PDA Serial Sender

Message-ID: <CA45D4785D15D411B3B20060971D9571015E452F@srv-mail01.automationdirect.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Those of you using (or planning to use) the NK0E's Serial Sender might want to check out <http://www.stingerstylus.com/>.
I was wondering how I was going to handle the stylus and key. Maybe this is it. BTW, I received my Serial Sender kit yesterday.
John W4JKL

Date: Wed, 16 Oct 2002 06:15:17 -0700
From: Bruce Grubbs <mail@brucegrubbs.com>
To: n4xy@earthlink.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [138147] Re: 3/16-750lb dacron
Message-ID: <E181o12-0003TB-00@albatross.prod.itd.earthlink.net>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Ed,
I've used the smaller size dacron (3/32") for many years to hold up antennas made from #14 flexweave. I have a 170 foot horizontal loop, supported at 3 points by 3/32" dacron over pine trees. The mast at the fourth corner is guyed with 3/32" dacron. Eventually, the dacron abrades where it saws on the tree limbs, or more likely, the squirrels chew through it. So they get replaced occasionally.

I also have a 40 m vertical, made from 1-1/4" tubing, tapering to 3/8 at the top, which is guyed in the middle with dacron. No tree or squirrel probelism there!

73
Bruce
N7CEE

Date: Wed, 16 Oct 2002 06:48:37 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: QRP-l <qrp-l@lehigh.edu>
Subject: [138148] Rock-Mite 20 - The Agony and the Ecstasy (longish)
Message-ID: <20021016134837.75415.qmail@web10005.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Last night, I was listening on 20 and heard my friend Doc, K0EVZ, calling CQ at 14.0591, with kind of a weak signal. I'm always curious as to which of his vast armamentarium of rigs he's using, so I gave him a shout, and he was using the Rock-Mite!

We had a nice, though brief, QSO, and I was jealous, since I haven't been able to be heard with my RM-20 since one Q the first night; I'd sort of set it aside until I get a tuner to try it with (coming any day, now.)

But I hooked it up anyway (using both antlers; see below), called CQ, and immediately got a return from Juan, KG4FSN, in FL, 929 miles! We had a 7-minute QSO, very satisfying and fun.

Now for the agony: There's an awful, rough-sounding howl on one of the frequencies; I'm not sure if it's the low one or the high one. I have two antennas right now: a 33.3 wahr high in the room with me, and a ~200' wahr at about 25-30'. I'm using four counterpoisii with all of the following, two each, 17' and 33'.

With no antenna at all, there's a big howl one one freq., none on the other, same with the 33' ant. With both antennas, or just the long one alone, there's no howl on either freq. With the long one added, that freq gets some howl after keying, which mostly goes away. If I send for longer times, the howl is louder, and takes a bit more time to go away.

If I touch R16 with a screwdriver, the howl disappears.

My AF and key jacks have their ground lugs soldered to the case. I have the cans of both xtals grounded, and the board is grounded to the case with some desoldering braid. (I hope the pads surrounding the mounting holes are grounds!) There are three lugs on my coax DC jack; two are grounded to the board. The BNC jack has no ground lug; I cleaned the surrounding area when I mounted it, roughened the surface, and screwed it down tight.

Bottom line: the beautiful little rig works! I adore it. It doesn't seem to be too easy to use on one of the frequencies, but maybe being able to tune the long wahr will help. If anyone can suggest something to try, given these clues, I'd be grateful.

Someday, I'll get my 40M version...that one doesn't seem to have this problem. And then, my Multi-Pig

Plus...!

=====

73 es oo, Lloyd, K3ESE

K1 # 00379 - 20M Rock-Mite - Hunk o' Wahr

ARRL - ARS #1301 - FISTS #8774

FPqrp #476 - QRParci #11147

QRP-L #2415 - SOC #530

HGT #6'1 - Wgt #190 - BT #B-

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Date: Wed, 16 Oct 2002 09:44:12 -0400

From: Hank Kohl <k8dd@arrl.net>

To: lmairs@direcway.com,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [138149] Re: UTC/ZULU/LOCAL TIMES

Message-ID: <5.1.0.14.2.20021016094319.02ebb3b0@mail.arenet.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

UTC used to be GMT.

It's always been Zulu - well as long as I can remember.

The world is divided into 25 time zones A through Z (no U)

Take a look at http://aa.usno.navy.mil/faq/docs/world_tzones.html or

<http://aa.usno.navy.mil/graphics/TimeZoneMap2001.pdf>

73 Hank K8DD

At 10/15/2002 11:06 PM -0400, Lee Mairs wrote:

>GMT=UTC=Zulu.

>

>Zulu is the thing us old farts remember from our early days. Was that a

>Vietnam thing? I don't remember.

>73 de Lee, KM4YY

>

>

*/ Hank Kohl K8DD k8dd@arrl.net

*/ ARRL TS <http://www.qsl.net/k8dd>

*/ MI-QRP - Vice Pres. QRP-ARCI - Director

*/

If God intended you to be on single sideband, he would have given you only one nostril.

- Steve, K2PTS

Date: Wed, 16 Oct 2002 10:01:44 -0400
From: "brian" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [138150] Re: Rock-Mite 20 - The Agony and the Ecstasy (longish)
Message-ID: <000701c2751c\$8fb73d80\$3d05080a@BM17711>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Lloyd,

I'm having the same problem. My RM40 works flawlessly. The RM20 has the howling feature. I have them mounted in metal radio shack project boxes.

Last night I removed all the grounds and replaced them with some thicker and better wire. No real improvement on the RM20.

With no antenna, I get the howl on one side of the PBN0 switch.

With antenna, I get it on both sides, just louder on one side.

I can HEAR many QSO's and I measure 300 mW output into my dummy load.

My AF ground is soldered to the corner opposite and away from the AF connection on the PCB.

My BNC ground is soldered to the corner opposite of the AF ground.

My PBN0 ground is soldered to the corner opposite and closer to the AF connection.

My paddle ground is soldered to the same corner as the PBN0 ground.

My DC ground (or negative lead) is soldered to the corner nearest the V+ connection.

I checked the corners with an ohm meter, and they appear to be common.

I have my PCB mounted in this metal box with metal standoffs and metal

screws. The screws are in the holes with the AF ground and the DC supply ground. (I'm only mounting with two standoffs cuz that's all I had) This is making the whole case common in respect to ground.

So I'm still scratching my head on this one.

73

----- Original Message -----

From: "Lloyd Lachow" <llachow@yahoo.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Wednesday, October 16, 2002 9:48 AM

Subject: Rock-Mite 20 - The Agony and the Ecstasy (longish)

> Last night, I was listening on 20 and heard my
> friend Doc, K0EVZ, calling CQ at 14.0591, with kind of
> a weak signal. I'm always curious as to which of his
> vast armamentarium of rigs he's using, so I gave him a
> shout, and he was using the Rock-Mite!

> We had a nice, though brief, QSO, and I was
> jealous, since I haven't been able to be heard with my
> RM-20 since one Q the first night; I'd sort of set it
> aside until I get a tuner to try it with (coming any
> day, now.)

> But I hooked it up anyway (using both antlers; see
> below), called CQ, and immediately got a return from
> Juan, KG4FSN, in FL, 929 miles! We had a 7-minute QSO,
> very satisfying and fun.

> Now for the agony: There's an awful, rough-sounding
> howl on one of the frequencies; I'm not sure if it's
> the low one or the high one. I have two antennas right
> now: a 33.3 wahr high in the room with me, and a ~200'
> wahr at about 25-30'. I'm using four counterpoisii
> with all of the following, two each, 17' and 33'.

> With no antenna at all, there's a big howl one one
> freq., none on the other, same with the 33' ant. With
> both antennas, or just the long one alone, there's no
> howl on either freq. With the long one added, that
> freq gets some howl after keying, which mostly goes
> away. If I send for longer times, the howl is louder,
> and takes a bit more time to go away.

> If I touch R16 with a screwdriver, the howl
> disappears.

> My AF and key jacks have their ground lugs soldered
> to the case. I have the cans of both xtals grounded,
> and the board is grounded to the case with some

> desoldering braid. (I hope the pads surrounding the
> mounting holes are grounds!) There are three lugs on
> my coax DC jack; two are grounded to the board. The
> BNC jack has no ground lug; I cleaned the surrounding
> area when I mounted it, roughened the surface, and
> screwed it down tight.
> Bottom line: the beautiful little rig works! I
> adore it. It doesn't seem to be too easy to use on one
> of the frequencies, but maybe being able to tune the
> long wave will help. If anyone can suggest something
> to try, given these clues, I'd be grateful.
> Someday, I'll get my 40M version...that one doesn't
> seem to have this problem. And then, my Multi-Pig
> Plus...!
>
>
> =====
> 73 es oo, Lloyd, K3ESE
> K1 # 00379 - 20M Rock-Mite - Hunk o' Wave
> ARRL - ARS #1301 - FISTS #8774
> FPqrp #476 - QRParci #11147
> QRP-L #2415 - SOC #530
> HGT #6'1 - Wgt #190 - BT #B-
>
> -----
> Do you Yahoo!?
> Faith Hill - Exclusive Performances, Videos & More
> <http://faith.yahoo.com>
>

Date: Wed, 16 Oct 2002 10:16:49 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: Rob Matherly <w0jrm@arrl.net>
Cc: QRP List <qrp-l@lehigh.edu>
Subject: [138151] Re: Buried Coax
Message-ID: <20021016095248.S27107-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 15 Oct 2002, Rob Matherly wrote:

> On Sunday 13 October 2002 03:53 am, you wrote:
>
> \$> It is advisable to feed a stranded length of common house wire (#14) or a
> \$> pull cord in the hose before burial.

>
> Hi George;
>
> Taking me a while to get caught up on all my email so this is a little late
> :^) What is the purpose of the house wire?

Hi Rob,

The House wire is used as a "DRAGLINE" (A wire or pull string used to install wire in a pipe.) Telephone Cable Installers and Electricians generally use a "Fish Tape" (Springy steel tape) to get a line into a pipe. After you "Fish the conduit, you tie on a "Dragline" and pull it thru the conduit with the fishtape. Then you tie on the wire or cable and pull it into the conduit. Sometimes adding soap or conduit wire pulling lubricant to prevent "Burning the wiring insulation" by the friction of pulling in the wire.

When there are several bends in the conduit, it can be particullary difficult to pull the wire thru the conduit. This is where using the "House wire is an advantage" It is not likely to break.

When using garden hose as your "Buried Conduit", you will find that it is not the easiest medium for pulling wire or cables through. I had about 50 feet of hose buried in the back yard going from the house to the location of my 5BTv Vertical. This was back in 1981 when we built the house. I also had Full length Radials for 80M & 40M buried as well. This was before the neighbors houses were built. :^} The 5BTv is long gone, but the Radials are still there somewhere.

The reason for the House wire for a "DRAG" was actually to add a second coax thru the "Conduit" for other experimental Antenna projects.

I might add that it can be very difficult to get the fish tape thru the hose once you have the initial coax in the conduit. Having that DRAG already in place is a lifesaver.

I might add that it is also a Good idea to "GROUND" both ends of the drag for lightening protection.

Some old habits are hard to break. :^}

QRPP Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

Date: Wed, 16 Oct 2002 10:46:41 -0400
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jona1.net, qrp-1@lehigh.edu
Subject: [138152] Last call for QRP-Afield scores
Message-ID: <3DAD7BD1.A54BECF0@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yesterday was "officially" the last day for submitting scores from QRP-Afield. However, I will be compiling and sorting submissions this weekend, so... if anyone would still like to submit their log and score, please do it by the end of this week.

72,
Chuck/K1CL

Date: Wed, 16 Oct 2002 11:34:12 -0400
From: "Mullin, Edward J." <mulline@tycoelectronics.com>
To: "'QRP'" <qrp-1@lehigh.edu>
Subject: [138153] Fists of Fury Vs RM20
Message-ID: <F1C60F6146F4DF4B902254ECAC17271D6A0610@us358mx00>
MIME-Version: 1.0
Content-Type: text/plain

Fired up the Rockmite 20 yesterday afternoon, band conditions seem pretty good. Called CQ a few times but no takers, then I got slammed by some really strong QRO FISTS folks close by on freq.... :(I guess the FIST calling Freq. is 14.0058 or thereabouts, oh well, got some practice copying some good CW anyway.

> 73 de KB1HYS
>
> Ed Mullin

Date: Wed, 16 Oct 2002 11:37:24 -0400
From: "Mullin, Edward J." <mulline@tycoelectronics.com>

To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [138154] RE: Rock-Mite 20 - The Agony and the Ecstasy (longish)
Message-ID: <F1C60F6146F4DF4B902254ECAC17271D6A0611@us358mx00>
MIME-Version: 1.0
Content-Type: text/plain

I've got the same symptoms, but I have noticed that the antenna definitely effects the degree of howl and what frequency it appears on. I also have run independent grounds for the various connections.

Date: Wed, 16 Oct 2002 09:43:06 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [138155] Battery Chargers
Message-ID: <Pine.LNX.4.44.0210160937350.2704-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have been back and forth on this issue over last week and today it looks like I can solve the SM problem with yet unknown little pwb that you mount the 20 pin SM to and it brings out the 20 pins into larger pads.

I can glue that to the mother board and using manhattan build the charger that works for Li-ion and all the others as well. So headed that way now...

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Wed, 16 Oct 2002 11:57:48 -0400 (EDT)
From: Chris Cartwright <ccart@phideaux.com>
To: George Gingell <k3tks@u1.abs.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [138156] Re: Buried Coax
Message-ID: <Pine.LNX.4.33.0210161150270.27496-100000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 16 Oct 2002, George Gingell wrote:

> Telephone Cable Installers and Electricians generally use a "Fish Tape"

While I've used a "fish" in conduit, the best method I've seen is to tie a loosely crumpled baggie or small rag to the pull twine, and stuff it in one end of the conduit, then attach the shopvac to the other end. Just be ready for the gush of water if the conduit has been under ground for a while :) Once the pull twine is in, pull your wire, and make sure to attach another piece of pull line for the next time, or the next guy.

I've used pull twine for all kinds of temporary antenna supports. If I remember right, it has about 150# break strength, and the 6000' bucket of it cost me about \$25.

```
-- Chris Cartwright,   Unix Administrator |      ccart@phideaux.com      --  
-- N3XRV      ARRL-VE   Norcal Zombie #163 |      Oxford, PA 19363 FM29as   --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

Date: Wed, 16 Oct 2002 09:42:05 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [138157] Re: UTC/ZULU/LOCAL TIMES
Message-ID: <20021016164205.GA1399@bob.n7xy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Some of the clocks support any offset from UTC and allow DST to be used or not. A couple of years ago, I was checking a callsign on www.buck.com and they had an ad on the page for one which handles UTC nicely. I bought one for my shack. It cost \$40, which was twice as much as the Sharp clock I use in the house.

Bob, N7XY

On Wed, Oct 16, 2002 at 08:34:15AM -0400, David Hinerman wrote:

```
> Ron,  
>  
> As far as I can tell, these clocks don't -really- support GMT (or UTC, or  
> Z). They support the time zone that includes England, Ireland, etc. And I  
> know at least Ireland (and I presume England) observe Daylight Saving Time,  
> although the shift dates are different than in the US.  
>  
> I worked for a company whose headquarters were in Dublin, and keeping track
```

> of the time differential was interesting in the spring and fall. Most of
> the year we were 5 hours apart, even when we were in DST because they were
> too, but for a few weeks in the spring and fall we were only 4 hours apart.
>
> Dave
>
> At 08:28 PM 10/15/2002 -0400, you wrote:
> >Please correct me, isn't / wasn't GMT = Zulu = UTC.
> >GMT never changed.. We adjusted net schedules + or - to local time (Romeo)
> >Ergo: Local time was + 4 or + 5 hours in reference to GMT/ZULU. 73, Ron
> >W2WU
> >----- Original Message -----
> >From: Marty N5NW <n5nw@n5nw.org>
> >To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> >Sent: 15 October, 2002 19:31
> >Subject: Re: Wal Mart WWVB Clocks
> >
> >
> >> <SNIP>
> >>
> >> I think what you will find is that the clock is set to automatically
> >change
> >> to daylight saving time, thus the hour change to UTC. After the time
> >> returns to standard, your local clock will automatically change, but the
> >UTC
> >> clock offset will have to be changed.
> >>
> >> Unless someone has discovered how to turn off daylight saving time ...
> >which
> >> I have not.
> >>
> >> --
> >> 73 de N5NW/8 (Marty)
> >> Bellbrook, Ohio
>
>

Date: Wed, 16 Oct 2002 12:51:46 -0400
From: "JB Crafts" <jbcraft@adelphia.net>
To: <ccart@phideaux.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [138158] Re: Buried Coax
Message-ID: <001101c27534\$5127b0a0\$1dd73218@lbrtoh.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Check out Mike Sandman's site... I forget the URL.

Mike has a LOT of really neat stuff for the cable installer.

I would NOT use garden hose for a couple reasons, one being that it is not water proof for long, just leave a hose out all summer and winter and now you have a Garden Soaker... the other is, have you ever tried to pull cable thru a sticky walled conduit?

Go get some Yellow 77 too! MESSY STUFF but it sure works! Even Home Depot sells Yellow77 now.

73 Bob K8YS
an ex-phoneman

Date: Wed, 16 Oct 2002 13:19:26 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [138159] fishing for opinions
Message-ID: <5.1.1.6.1.20021016130925.00a6ddb0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Folks,

I got a Norcal BLT kit in the mail yesterday (thanks Doug!) and now I'm getting ready to string a doublet outside my mobile home.

I think I can get an 88' wire in the air and feed it with TV twinlead. The most direct way to get the feedline inside the house is to run it down the inside of the aluminum siding and through the interior wall near my desk. But I'm concerned about what running the unshielded feedline that close to the grounded siding will do to signals. The run will be about 7 feet, probably less than an inch from the siding for the whole distance.

I've also considered running coax up inside the wall to a 1:4 balun, then twinlead up to the antenna. Would that have fewer problems than using all twinlead?

Another possibility is dropping the twinlead all the way to the ground (about 8 feet from the wall), across (or under) the ground to beneath the home, then up through the floor. I can avoid most grounded metal structures by a couple of feet that way.

What do you think?

Dave

Electrical items never die, you see, I am merely unable to revive them with today's technology.

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Wed, 16 Oct 2002 10:31:33 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@lehigh.edu>
Cc: "'mulline@tycoelectronics.com,'" <mulline@tycoelectronics.com>, >, "'llachow@yahoo.com'" <llachow@yahoo.com>
Subject: [138160] RE: Rock-Mite 20 - The Agony and the Ecstasy (longish)
Message-ID: <7FD24C15A06DD511BF9E00D0B73E9952047A86A9@az33exm05.corp.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="ISO-8859-1"

When dealing with feedback problems such as this, there are two things you might try.

1) Connect the ground to the board at only a single point. Multiple grounds can cause "ground loop" problems. I would suggest not grounding all four corners of the PC board and connecting the case to the board for grounding at only one place, preferably near the antenna connection.

2) Connect the power and ground to the point closest to the output transistor. When transmitting, this will minimize the current flow across other low level points on the PC board.

One more point, with a DC receiver, it sometimes helps to regulate the voltage to the audio amplifier separately from everything else. This improves the audio isolation and can kill audio feedback. The simplest means of doing this is using a separate 78L05 regulator to feed the final headphone driver.

The other is to use a cap. multiplier circuit, which consists of a 2n2222 or 2N4401 general purpose transistor, connected collector to +V, emitter to the audio output IC +V input, a 2.2K to 10K (try lower first) resistor connected from the collector to the base, and a 10 to 47 uF cap (higher is better) connected from base to ground. Again, this circuit provides additional isolation from the audio

output from the rest of the radio.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Wed, 16 Oct 2002 10:41:09 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: msadams@acsu.buffalo.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [138161] Re: NEED: KG6CYN DDS Boards
Message-ID: <Springmail.0994.1034790069.0.93887600@webmail.pas.earthlink.net>

Hi Mark and all,

All he has to do is e-mail me at kg6cyn@earthlink.net to get ahold of me. I've answered every e-mail concerning the Experimenter's DDS Signal Generator. I'm assuming that he must have had the wrong e-mail address.

Now, just to update the List, I'm getting quote from a couple of different place for one of two things. Lots of you have written and asked for kit availability and or PCB's.

First option would to be to make a run of nice silk screened and solder masked PCB's, and get you guys a "PCB Set Only" Kit. Now if we go this route, you'd have to get your own parts. I would also add the programmed CPU with this option. It wouldn't be too hard for anyone to aquire the parts, as I've included a parts list with Digi-Key and Mouser part numbers in the documentation. The only components that you can't get from them are the DDS Chip (AD9850), the MMIC (ERA-1SM) and the T37-6 toroids. Anyone can get 2 free samples of the DDS chip from Analog Devices on their web site, Mini Circuits will sell anyone the ERA-1SM and we have several guys here on the list that sell the T37-6.

Second option is that I'm getting quotes to have the PCB's manufactured and stuffed, making it a board kit. Several of the local hams that have seen the prototypes have asked me to build them one, well, to be honest I don't have the time to build up a bunch of these. Work's keeping me REAL busy these days.

Bottom line guys, is that I really don't have any desire to be in the kit business at this point in the game, but would like to make it as easy as possible for someone to reproduce the project as possible. So, if you really want the PCB's, let me know and I'll get that sped up if we get enough people interrested to keep the costs low.

BTW Chuck Adams has been beta testing one of the prototypes for me and will have it for show and tell at Pacificon.

Once more, if there is anyone out there that would like to take on the task of kitting these, let me know and we can get that going.

Take care and thanks for the interest!

73's

Trev

KG6CYN

<http://home.earthlink.net/~kg6cyn>

On Wed, 16 Oct 2002 08:43:14 -0400 "Mark S. Adams, P.E."
<msadams@acsu.buffalo.edu> wrote:

> Hi Gang,
>
> Does anyone have a set of the KG6CYN DDS Signal
> Generator Boards that they
> would like to sell? My neighbor, W2TAU, wants
> to build them into a project
> and cannot get a hold of the designer.
>
> Thanks,
> Mark K2QO
>
>
> Mark S. Adams, P.E.
> University at Buffalo
> Occupational and Environmental Safety
> 220 Winspear Avenue
> Buffalo, NY 14215-1034
> Tel: 716.829.3707 ext. 25 Fax: 716.829.2704
> Cell: 716.863.7229
>

Date: Wed, 16 Oct 2002 13:08:20 -0500
From: Karl Kanalz <kkanalz@gcecispc.com>
To: "'WD8CIV@worldnet.att.net'" <WD8CIV@worldnet.att.net>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [138162] RE: fishing for opinions
Message-ID: <01C27515.2843F320@KKANALZ>

I would follow George's (W5YR) example of using coax cable from your tuner to the "outside world" and then install a 1:1 current balun outside your

aluminum "shack". Then connect that 1:1 balun to your feedline.

Contact W5YR for more intricate details!

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: David Hinerman [SMTP:WD8CIV@worldnet.att.net]
Sent: Wednesday, October 16, 2002 12:19 PM
To: Low Power Amateur Radio Discussion
Subject: fishing for opinions

Folks,

I got a Norcal BLT kit in the mail yesterday (thanks Doug!) and now I'm getting ready to string a doublet outside my mobile home.

I think I can get an 88' wire in the air and feed it with TV twinlead. The most direct way to get the feedline inside the house is to run it down the inside of the aluminum siding and through the interior wall near my desk.
<snip>

I've also considered running coax up inside the wall to a 1:4 balun, then twinlead up to the antenna. Would that have fewer problems than using all twinlead?
<snip>
What do you think?

Dave

Date: Wed, 16 Oct 2002 15:23:24 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Cc: noGA reflector <nogaqrp@mailman.qth.net>
Subject: [138163] website menus
Message-ID: <5.1.1.6.2.20021016151714.02035d58@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Folks... well I believe I have the menus sorted out. Several of you asked about the results from my "survey". The menus as they-mostly-appear over the website reflect the majority opinion-including mine, ultimately... with one difference. I opted for a somewhat darker blue, and white "ink"

instead of light blue and black. Also, I had an idea to take the current page and reflect that on the menu by going to a very dark blue with yellow. Looks pretty good-I think. You might take a look, and tell me what you think now.

Special thanks to Tony Fishpool, G4WIF for several excellent suggestions.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Wed, 16 Oct 2002 15:45:31 -0400
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: qrp-l@lehigh.edu, neqrp@jonal.net
Subject: [138164] Tuesday nights NEQRP SSB Net results
Message-ID: <0FE47D747F.E3A2C608-0N85256C54.006BFA5F@and.us.ray.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Band was great with little QRM.

WA10HR	Ev	CT	IC-706MKIIG @ 10W
K1NAJ	Norm	ME	TS-940@10W 40M dipole@30'
KB1FPM	John	MA	TS570@100W
W3SMK	Steve	NY	K2@10W dipole
KC1FB	Jim	CT	FT-7 @4W

I thank all that checked in and to those I can't name but tried! Net was held from 7:30 - 8:05 PM EDST on 7.287Mhz.

Hear you all next week!

Ron - N1ZSW K2 and still attic carolina window

Date: Wed, 16 Oct 2002 16:13:06 -0400
From: "W2WU" <w2wurjj@verizon.net>
To: <qrp-1@lehigh.edu>
Subject: [138165] Fw:OT-NASA One Night, Two Spaceships
Message-ID: <001901c27550\$8b8b7080\$4adcfea9@vaio>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Enjoy FYI

----- Original Message -----

From: NASA Science News <snglist@snglist.msfc.nasa.gov>
To: NASA Science News <snglist@snglist.msfc.nasa.gov>
Sent: 16 October, 2002 12:12
Subject: One Night, Two Spaceships

> NASA Science News for October 16, 2002
>
> Wednesday and Thursday (Oct 16th and 17th) are unusually good days for
> North Americans to spot the International Space Station. The space shuttle
> Atlantis undocked from station Wednesday morning, Oct. 16th. Alert sky
> watchers may be able to see both craft tonight soaring overhead in tandem.
>
> FULL STORY at
>
> http://science.nasa.gov/headlines/y2002/16oct_spaceships.htm?list845440
>
>
> You are currently subscribed to snglist as: <snip>
>
> This is a free service.
>
> To UNSUBSCRIBE, or CHANGE your address on this service, go to
> <http://science.nasa.gov/news/subscribe.asp?e=<snip>>
> or send a blank email to leave-snglist-845440A@snglist.msfc.nasa.gov.
>
> Virus Warning: Computer viruses currently in circulation are able to send
e-mails pretending to be from someone else, but carrying a copy of the virus
as an attachment. We've seen several old messages from us being circulated

in this way. We will NEVER send you an attached file. If you receive a message claiming to be from us with an attached file, just delete it without opening it.

>

> If you need to get in touch with us directly, please go to

> <http://science.nasa.gov/comments>

>

> Home page: <http://science.nasa.gov>

Date: Wed, 16 Oct 2002 13:12:35 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [138166] Flame this? (very long, OT)
Message-ID: <GNEOLGDJDOPEALHJMKLCAEMHCOAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I wrote this last week to blow off some steam and never sent it. I do that - write a letter and don't send it as many times it's not constructive.

With the latest rash of basing I thought I might point out one of many ways in which hams and their big mouths are really offending many more people than they realize. More than just this list is noticing that hams, in a quickly widening percentage, are getting fairly obnoxious in the eyes of 'regular' people.

Over the past few months I have received some angry letters in regards to my lack of special service to amateurs, especially QRP-L members.

I want to point out a few things about businesses that offer services to amateurs. Keep in mind, that most businesses are not targeting amateurs - it's just that amateurs use the stuff as well, and those of us licensed in the industry like to do what we can to make life a little better for experimenters and people making things for the amateur community.

Businesses that DO specifically target amateurs are very special - they are usually labors of love and part of the hobby for those involved. Even the big radio companies that we look to as cornerstones are merely divisions of other, bigger companies. Look at Yeasu / Standard. The ham portion is really small compared to the commercial side.

If you need 'the best possible price' on ferrites or powdered iron cores, I

defer to W8DIZ, Dans, and others on this list that sell the cores. I rarely can beat their prices, and frankly I'm not going to get into a price war with that "A" company I used to distribute for. (See www.kitsandparts.com)

What's happening, tho, is that some with very real issues are giving a misconception to management. Many companies don't want to do business with 'those stupid hams' because of various incidents that only seem to arise from amateur customers.

First off, our (we as amateurs) perception of a 'large' order is way different than that in the industry. CWS sees individual r/d professionals regularly place \$5000 orders. These are STILL not 'large' orders. While a couple of hundred dollars is sizeable for most of us, and a really big deal psychologically and socially, it's not very impressive to a distributor or OEM business.

Hams seem to get grandiose and expect the red carpet to roll out in front of them when they wave a few bucks in the air. Sometimes the expectations far exceed what can be done in reality, specifically where pricing is concerned.

We (hams) are innovators. We do things that the 'regular' industry does NOT respect! Bragging that you can bend time or have come up with the solution for velocity does not even fall within the understanding of most people in the industry. They just want to sell parts, and move on to the next sale. If you've talked their ear off for 10 minutes with a \$100 order, when they hang up I bet they have little encouraging to say about hams.

Well, I made a mistake with handling a customer recently. Yeah, I screwed up. It was a busy day and I didn't take the time I should have with him. Now, what he has done is written a really nasty set of letters to my management. Did I get in trouble? No, but now the owner says 'see, I told you not to do amateur business.' He wants us to chase only OEM business and stop servicing the hams.

I've spent hundreds of hours helping hams that are trying to get a product on the amateur market. No one complains about that. No one complains when I donate hundreds of dollars of door prizes to hamfests every year. No one complains about the technical information I tirelessly put online for the amateur experimenters. But let me not roll out the red carpet when someone waves a few bucks under my nose ...

Please think of these things before you wield your sword! (pen, it's mightier ...) consider what you are doing when you go to complain. Maybe you expected more than what that entity could offer. If you find a better price, great!! Writing a letter bitching about a bad price is not going to make any manager fire someone. What you will be doing is solidifying a managers resolve to not entertain amateur business.

"A" used to be very out about their negative attitude toward amateurs when I distributed for them. They are going after amateur business again because, for some reason, they think I made a ton of money off the amateur market. Oops! I'll trade their share of OEM profits for our amateur profits any time!

(Consider that in most industrial sales, commissions are on the order of 2 - 5%. How much do you need to earn each year to live the way you want / need to? Do the math - if you spend too much time on ham orders you'll be making less than you need ...)

The moral of the story is think before you strike. If you really feel slighted, then write your letter with an actual issue, and your expectations of how it should have been resolved. Complaining without a suggestion for resolution rarely solves any problems. Threatening to 'tell everyone not to do business with you' generally makes you look like a lunatic.

SO, take this letter, as negative as it seems, as an apology to all the members of this list.

Things change over the years - in order to compete in the market I had to make some adjustments, and allow others to take over where I was not able to excel. For the first time in years I am actually making a living off of this part of ByteMark, where it used to be a big money hole. But I had to change some methods and allow someone with more experience on the business side set some ground rules for success.

If this changed something that isn't in keeping with your expectations, then again I apologize - and that is why I refer to DIZ and others as a better source for your cores. I'll be here for any help I can give, but please PLEASE don't write nasty letters to the owners of my company if I can't give you the price you want!

Tracy N4LGH

[Tracy Markham
CWS ByteMark
Coil Winding Specialist
(ByteMark *Corporation* is gone)
www.coilws.com
www.bytemark.com
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tracy@coilws.com
tracy@bytemark.com
1510 E Edinger Ave #B
Santa Ana CA 92705
800 679-3184
800 377-3244]

Date: Wed, 16 Oct 2002 13:36:29 -0700
From: "Richard Johnson" <richard_johnson@credence.com>
To: tracy@bytemark.com,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [138167] Re: Flame this? (very long, OT)
Message-ID: <3DADCD.C4B4E0CA@credence.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tacy:

As a hobiest who works in the electronic design industry i am happy to find parts for sale, one-off, at any price!
I am thankful for all the small compaies that will sell to individuals. I know they do not make a profit off my meager purchases and i would say not off all of us combined.

cheers,
rich

Tracy Markham wrote:

> I wrote this last week to blow off some steam and never sent it. I do that -
> write a letter and don't send it as many times it's not constructive.
>
> With the latest rash of basing I thought I might point out one of many ways
> in which hams and their big mouths are really offending many more people
> than they realize. More than just this list is noticing that hams, in a
> quickly widening percentage, are getting fairly obnoxious in the eyes of
> 'regular' people.
>
> Over the past few months I have received some angry letters in regards to my
> lack of special service to amateurs, especially QRP-L members.
>
> I want to point out a few things about businesses that offer services to
> amateurs. Keep in mind, that most businesses are not targeting amateurs -
> it's just that amateurs use the stuff as well, and those of us licensed in
> the industry like to do what we can to make life a little better for
> experimenters and people making things for the amateur community.
>
> Businesses that DO specifically target amateurs are very special - they are

> usually labors of love and part of the hobby for those involved. Even the
> big radio companies that we look to as cornerstones are merely divisions of
> other, bigger companies. Look at Yeasu / Standard. The ham portion is really
> small compared to the commercial side.

>

> If you need 'the best possible price' on ferrites or powdered iron cores, I
> defer to W8DIZ, Dans, and others on this list that sell the cores. I rarely
> can beat their prices, and frankly I'm not going to get into a price war
> with that "A" company I used to distribute for. (See www.kitsandparts.com)

>

> What's happening, tho, is that some with very real issues are giving a
> misconception to management. Many companies don't want to do business with
> 'those stupid hams' because of various incidents that only seem to arise
> from amateur customers.

>

> First off, our (we as amateurs) perception of a 'large' order is way
> different than that in the industry. CWS sees individual r/d professionals
> regularly place \$5000 orders. These are STILL not 'large' orders. While a
> couple of hundred dollars is sizeable for most of us, and a really big deal
> psychologically and socially, it's not very impressive to a distributor or
> OEM business.

>

> Hams seem to get grandiose and expect the red carpet to roll out in front of
> them when they wave a few bucks in the air. Sometimes the expectations far
> exceed what can be done in reality, specifically where pricing is concerned.

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> on the amateur market. No one complains about that. No one complains when I
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> [Tracy Markham
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> Santa Ana CA 92705
> 800 679-3184
> 800 377-3244]

Date: Wed, 16 Oct 2002 16:47:28 -0400
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [138168] 70cm question & similar intrusions
Message-ID: <20021016.164938.-356675.1.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

I've got a multi-mode 70cm radio headed my way. I've been lookin' at all the stuff, repeaters, simplex, marginal signal data modes, stuff like that (Hellschreiber at 450 MHz must be a trip), and now I'm beginin' to get delusional.

Is there that much CW on 70cm? Or even PSK/MFSK/whatever?

I mean, I can't imagine having nearly 30 MHz of space and not having anybody messin' with it 24/7. And we ain't even thought about satellite antennas yet. Which will be interesting from a QRP standpoint, way I see it. (If Cindy lets me see anything after the box appears on the porch . . . a matter of exquisite timing.)

See, one thing is I've been tied to the ionosphere for so long I don't even know what it's like to not reflect. And it's been years since I did anything serious with tropo. But last summer in Garden City Beach, SC, there was this gang of crazies who got up every morning and played 450 MHz tropo or something. They had a dagnab coordination net on 2m so they could find people on 450 MHz. I got the impression that they were pullin' in lots of Caribbean and Central America stations. Open water & atmospheric layering being just terms to me at this point.

Gads! You realize that I'm talking the difference between what it used to mean to be a Tech license (ca. 1960s &c) and a General and "above"? Guess this is gonna be one heck of learning experience.

But antennas . . . a LP for the 30 MHz of 70cm on a boom that I can turn

with a rehabilitated Umatics threading motor and build out of lightweight aluminum . . . ah, now that's a thought!

So, any hints, ye masters of the arcana?

73

Nils

Nils R. Bull Young -- W8IJN -- La Estancia de los Guajolotes Sonrientes
<http://w8ijn.tripod.com> -- <http://members.fortunecity.com/nilsbull>
"The island is closer than your memories are." -- Ian G. Bull Young, 15
Feb 2002

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Date: Wed, 16 Oct 2002 15:50:41 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <qrp-1@lehigh.edu>
Subject: [138169] Ten Tec Orion info pages from the designer, block diagrams, and
Hi Fi SSB
Message-ID: <013b01c27555\$b0b33640\$4e100a0a@rohredt2000>

Thanks to Ken K9VV and the Ten Tec group:
For all of us who are thirsty for ORION technical info:
Doug Smith KF6DX has quietly created some really
amazing ORION technical webpages on his Editorial website.

Pse check out:
<http://www.doug-smith.net/orion.htm>
and
<http://www.doug-smith.net/audiophile.htm>

this is really exciting new info and diagrams for
us to devour and enjoy.

P.S. it prints really ugly pages - read it online :-)
de ken n9vv
<http://www.n9vv.com/orion.html>

Awesome radio!
72, Stuart K5KVH

Date: Wed, 16 Oct 2002 13:53:59 -0700
From: Timothy-Allen Albertson-KG6IRH <kg6irh@pacbell.net>
To: qrp-1@lehigh.edu
Subject: [138170] Re: 70cm question & similar intrusions
Message-ID: <054c01c27556\$26f31fa0\$f999aa40@computer>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

70cm operation of any kind is needed. Its use it,
or loose it. 73 de tim kg6irh.

----- Original Message -----

From: "Nils R Young" <nilsbull@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, October 16, 2002 1:47 PM
Subject: 70cm question & similar intrusions

> Gang,
>
> I've got a multi-mode 70cm radio headed my way. I've been lookin' at all
> the stuff, repeaters, simplex, marginal signal data modes, stuff like
> that (Hellschreiber at 450 MHz must be a trip), and now I'm beginin' to
> get delusional.
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> 73
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> Nils
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Date: Wed, 16 Oct 2002 15:52:49 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <qrp-l@lehigh.edu>
Subject: [138171] Oops touch typing
Message-ID: <014901c27555\$fcf156e0\$4e100a0a@rohredt2000>

Ken Hopper is N9VV
-Stuart K5KVH

Date: Wed, 16 Oct 2002 15:18:29 -0600
From: "" <markb@abq.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [138172] Re: 70cm question & similar intrusions
Message-ID: <06e5f82a411f468a8e028a5f41be32e1.markb@abq.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

Nils W8IJN wrote:

> Is there that much CW on 70cm? Or even PSK/MFSK/whatever?=20

The only contacts I've had on 430 were pre-arranged, or to give points to the die-hards nearby during VHF contests=2E Unless you work satellites, expect to hear a lot of "ssssssshhhhhhhhh" from one end of the band to the other=2E Even in relatively dense population centers, UHF SSB is pretty thin=2E =20

> I got the impression that they were pullin' in lots of Caribbean=20
> and Central America stations=2E Open water & atmospheric layering=20
> being just terms to me at this point=2E

Tropo is a very fleeting mode, and seasonal=2E You really gotta want=20 to do it, and persevere, to have much success at it=2E=20

> But antennas =2E =2E =2E=20

You could have 30dB of antenna gain, but it's still line of sight=2E You can just about calculate how far you will get based on HAAT and ERP=2E I'd be building an antenna that looked *up* if you want to work anything past the local area=2E QRP on 6 meters is a lot more fun, lots of openings compared to 144 or 430 (I have over 100 grids 6M QRP)=2E =20

My 2mW=2E

Mark K5LXP
Albuquerque, NM
k5lxp@arrl=2Enet

Date: Wed, 16 Oct 2002 16:30:31 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Brian" <brian@iquest.net>
Cc: <qrp-l@lehigh.edu>
Subject: [138173] squeal on Rockmite
Message-ID: <019701c2755b\$4170a410\$4e100a0a@rohredt2000>

Brian,

I doubt that Radio Shack supply is regulated as well as three terminal regs usually work. I have a similar supply that caused problems until I put a 1000 MF cap across the output. While you are at it, parallel that one with 0.1 MF ceramic and a 0.01 ceramic disk or monobloc. See if that fixes it, otherwise need better bypass on audio stage of Rockmite.
72, Stuart K5KVH

Date: Wed, 16 Oct 2002 15:39:45 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [138174] Digikay success
Message-ID: <Pine.LNX.4.44.0210161528450.4211-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I needed to buy some National Semiconductor chips that are SM and some small prototyping printed wiring boards for the SM components. I got a LM3647 battery charging chip which has 20 pins, and a LM7301 dual op-amp with 8 pins and then got the proper Capital Advanced Technology prototype boards and a lot of other things for the Li-ion charging system.

Plan to glue the prototype boards on a piece of blank 2 sided pwb and then build the whole thing in manhattan style. When it's working properly with all 3 kinds of batteries the circuit should be converted to a quality pwb like the SMK-1 kit and then made available to the QRP-L group. The cost will be modest compared to current available chargers. I have seen what I think uses this chip set selling for \$125.00. In kit form the thing should sell for about \$35.00.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Wed, 16 Oct 2002 05:23:21 -0400
From: "Ben Pfeiffer" <bpfeiffer@tusco.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [138175] Re: fishing for opinions
Message-ID: <001301c274f5\$acf5e1c0\$1bae0540@benpfeif>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave the 1:1 balun mentioned by Karl is O.K. but a 4:1 will also work, I have been using a homebrew QRP 4:1 balun for a couple years now with the internal tuner in my K2.

72..de..ka8lle..Ben.

Date: Wed, 16 Oct 2002 14:48:50 -0700
From: "Dan Hogan" <dhhogan1@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [138176] Re: Flame this? (very long, OT)
Message-ID: <3DAD7C52.24422.11A354B@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

TRUE and RIGHT!
Dan Hogan WA6PBY
dhhogan1@earthlink.net
West Covina,CA
QRP-L #558

End of QRP-L Digest 2711

